U.S. Department of Commerce National Telecommunications and Information Administration (NTIA)



Privacy Impact Assessment for the NTIA-005 Headquarters NTIA Network General Support System

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U.S. Department of Commerce Privacy Impact Assessment NTIA GSS-005

Unique Project Identifier: FISMA NTIA005

Introduction: System Description

Provide a description of the system that addresses the following elements: The response must be written in plain language and be as comprehensive as necessary to describe the system.

- (a) Whether it is a general support system, major application, or other type of system
- (b) System location
- (c) Whether it is a standalone system or interconnects with other systems (identifying and describing any other systems to which it interconnects)
- (d) The way the system operates to achieve the purpose(s) identified in Section 4
- (e) How information in the system is retrieved by the user
- (f) How information is transmitted to and from the system
- (g) Any information sharing conducted by the system
- (h) The specific programmatic authorities (statutes or Executive Orders) for collecting, maintaining, using, and disseminating the information
- (i) The Federal Information Processing Standards (FIPS) 199 security impact category for the system

The purpose of the General Support System (GSS), headquartered at 1401 Constitution Avenue in Washington, DC (HCHB), and a remote field office in Gettysburg, PA (FFO), is to provide network services, e-mail services, file sharing, Internet/Intranet connectivity, client-server connectivity, webenabled applications, and office automation tools to all users in an unclassified environment that ensures confidentiality, integrity, and availability. Additionally, the GSS is utilizing cloud-based systems to enable ubiquitous, on-demand access to configurable computing resources to enhance the user experience at NTIA while maintaining a secure environment.

Per organizational procedure, PII is retained and used for business purposes only and is minimized as much as possible and HR onboarding documentation containing PII deleted after receipt of the information from the DOC HR Operations Center (HROC), ensuring that all requirements for it have been met.

Documentation containing sensitive PII is only transmitted to the DOC HROC through the approved and encrypted DOC solution, kiteworks by Accellion. Users are directed to report any incidents involving PII immediately, and any sensitive PII located outside of the authorized file share is securely deleted through data sanitization. Users are instructed to not complete fields on standard forms which contain PII that are not necessary for processing.

Most users of the GSS work with commercial off the shelf (COTS) software loaded onto their Windows workstation to process business information for administrative purposes and scientific information for mission purposes. As information is newly created, there is a need to share this data with other staff members. Users exchange data in various means:

- a) Printed Form: Users print the data either to a local printer or to a network printer and physically give the data to other staff members.
- b) E-mail: Messages are created and sent to addresses requesting needed information.
- c) Digital Collaboration Platforms: Information is exchanged through approved workplace chat, web conferencing, and file storage applications.
- d) Intranet/Internet:
 - i. Data is posted on internal web pages, for users to be informed about various topics.Users access the web pages with their web browsers.
 - ii. Data is posted on a public internet site for the purpose of communicating the work of the institute, which is a part of its mission.
 - iii. Data is posted on a secure, restricted internet site for the use of NTIA Government sponsors, a service that is a part of its mission.
- e) Network Backup: Data is saved to network drives with replication to an alternate storage site for data restoration.

The legal authorities to collect and maintain PII are U.S. Code 1030, Computer Fraud and Abuse Act and Public Law 99-474, Counterfeit Access Device, Computer Fraud and Abuse Act of 1984, Federal Information Security Management Act (FISMA) Section 3544, 5 U.S.C. 301; 44 U.S.C 3101; E.O. 12107, E.O. 13164, 41 U.S.C 433(d); 5 U.S.C. 5379; 5 CFR Part 537; DAO 202-957; E.O. 12656; Federal Preparedness Circular (FPC) 65, July 26, 1999; DAO 210-110; Executive Order 12564; Public Law 100-71, dated July 11, 1987 and Executive Orders 10450, 11478, 12065, 5 U.S.C. 44, 301, and 7531-332; 15 U.S.C. 1501 et. seq.; 28 U.S.C. 533-535; 44 U.S.C. 3101; and Equal Employment Act of 1972.

Web servers under the GSS that support NTIA enterprise applications collect and maintain non-sensitive PII, such as usernames, office phone numbers, and office email addresses for application and authentication purposes.

The NTIA-0005 GSS protects the confidentiality and integrity of organizational sensitive information. NTIA has implemented encryption on mobile devices and removable media to restrict and protect sensitive data at rest. In addition, other protection mechanisms are deployed such as security configuration settings, permission restrictions, anti-malware, system logging, and data monitoring tools.

The FIPS Publication (PUB) 199 security impact category of this system is moderate.

Section 1: Status of the Information System

1.1	Indicate whether the information system is a new or existing system.
	This is a new information system.

 This is an existing information system with changes that create new privacy risks.
(Check all that apply.)

Changes That Create New Privacy Risks (CTCNPR)				
a. Conversions	d. Significant Merging	g. New Interagency Uses		
b. Anonymous to Non-	e. New Public Access	h. Internal Flow or		
Anonymous		Collection		
c. Significant System	f. Commercial Sources	i. Alteration in Character		
Management Changes		of Data		
j. Other changes that create new privacy risks (specify):				

	This is an existing information system in which changes do not create new privacy risks, and there is not a SAOP approved Privacy Impact Assessment.
<u>X</u>	This is an existing information system in which changes do not create new privacy risks, and there is a SAOP approved Privacy Impact Assessment (version 01-2015).
	This is an existing information system in which changes do not create new privacy risks, and there is a SAOP approved Privacy Impact Assessment (version 01-2017 or later).

Section 2: Information in the System

2.1 Indicate what personally identifiable information (PII)/business identifiable information (BII) is collected, maintained, or disseminated. (Check all that apply.)

Identifying Numbers (IN)			
a. Social Security*	X	f. Driver's License	j. Financial Account
b. Taxpayer ID		g. Passport	k. Financial Transaction
c. Employer ID		h. Alien Registration	l. Vehicle Identifier
d. Employee ID		i. Credit Card	m. Medical Record
e. File/Case ID			

n. Other identifying numbers (specify):

^{*}Explanation for the need to collect, maintain, or disseminate the Social Security number, including truncated form: NTIA stores SSN data pulled out from other bureau/organization system/sources (i.e., DOC HR, OSY, and NFC) in GSS system for Personnel management/Admin processes. The file access is restricted.

General Personal Data (GPD)					
a. Name	X	h. Date of Birth	X	o. Financial Information	
b. Maiden Name		i. Place of Birth	X	p. Medical Information	
c. Alias		j. Home Address	X	q. Military Service	
d. Gender		k. Telephone Number	X	r. Criminal Record	
e. Age		1. Email Address	X	s. Physical Characteristics	
f. Race/Ethnicity		m. Education		t. Mother's Maiden Name	
g. Citizenship		n. Religion			
u. Other general personal data	ı (spec	ify):			

a. Occupation	X	e. Work Email Address	X	i. Business Associates
o. Job Title	X	f. Salary	X	j. Proprietary or Business Information
c. Work Address	X	g. Work History		
d. Work Telephone Number	X	h. Employment Performance Ratings or other Performance Information	X	

Distinguishing Features/Biometrics (DFB)					
a. Fingerprints	d. Photographs	X	g. DNA Profiles		
b. Palm Prints	e. Scars, Marks, Tattoos		h. Retina/Iris Scans		
c. Voice	f. Vascular Scan		i. Dental Profile		
Recording/Signatures					
j. Other distinguishing features/biometrics (specify):					
	• = • •				

Sy	System Administration/Audit Data (SAAD)					
a.	User ID	X	c. Date/Time of Access	X	e. ID Files Accessed	X
b.	IP Address	X	d. Queries Run	X	f. Contents of Files	X
g.						

Other Information (specify)	

2.2 Indicate sources of the PII/BII in the system. (Check all that apply.)

Directly from Individual about Whom the Information Pertains					
In Person		Hard Copy: Mail/Fax		Online	
Telephone		Email	X		
Other (specify): The non-sensitive PII (name, email address, phone number) are only collected thru email to					
NTIA Helpdesk on the SAAR	(Syster	n Authorization Access Request).		

Government Sources						
Within the Bureau	X	Other DOC Bureaus	X	Other Federal Agencies	X	
State, Local, Tribal		Foreign				
Other (specify):		-				

Non-government Sources					
Public Organizations		Commercial Data Brokers			
Third Party Website or Application					
Other (specify):					

2.3 Describe how the accuracy of the information in the system is ensured.

As part of the HR onboarding and the FFO access request processes, the information in the system is received directly from the subject/requestor, then is forwarded to the security department where they will perform security checks, requiring verification of the information.

Information not part of the HR onboarding process is obtained by other FISMA Major Applications (MAs) where the information is received directly from the subject, is limited to the information on a System Access Authorization Request (SAAR) form (i.e., name, email As part of the HR onboarding and the FFO access request processes, the information in the system is received directly from the subject/requestor, then is forwarded to the security department where they will perform security checks, requiring verification of the information.

2.4 Is the information covered by the Paperwork Reduction Act?

	Yes, the information is covered by the Paperwork Reduction Act. Provide the OMB control number and the agency number for the collection.
X	No, the information is not covered by the Paperwork Reduction Act.

2.5 Indicate the technologies used that contain PII/BII in ways that have not been previously deployed. (Check all that apply.)

Technologies Used Containing PII/BII Not Previously Deployed (TUCPBNPD)					
Smart Cards	Biometrics				
Caller-ID	Personal Identity Verification (PIV) Cards				
Other (specify):					
(aponij)					

There are not any technologies used that contain PII/BII in ways that have not been previously deployed.

Section 3: System Supported Activities

3.1 Indicate IT system supported activities which raise privacy risks/concerns. (Check all that apply.)

Activities		
Audio recordings	Building entry readers	

Video surveillance	Electronic purchase transactions	
Other (specify):		ĺ

X	There are not any IT system supported activities which raise privacy risks/concerns.

Section 4: Purpose of the System

4.1 Indicate why the PII/BII in the IT system is being collected, maintained, or disseminated. (*Check all that apply.*)

Purpose			
For a Computer Matching Program		For administering human resources programs	X
For administrative matters	X	To promote information sharing initiatives	
For litigation		For criminal law enforcement activities	
For civil enforcement activities		For intelligence activities	
To improve Federal services online		For employee or customer satisfaction	
For web measurement and customization		For web measurement and customization	
technologies (single-session)		technologies (multi-session)	
Other (specify):			

Section 5: Use of the Information

5.1 In the context of functional areas (business processes, missions, operations, etc.) supported by the IT system, describe how the PII/BII that is collected, maintained, or disseminated will be used. Indicate if the PII/BII identified in Section 2.1 of this document is in reference to a federal employee/contractor, member of the public, foreign national, visitor or other (specify).

For administering HR programs: General personal data (GPD) and identifying numbers (IN) in section 2.1 are used for personnel management of NTIA employees and contractors. Sensitive PII is used to assist with the HR process for personnel actions such as hiring, promotion, retirement, and employee in/out processing. PII is used in the security clearance process to determine if employees are eligible to handle NTIA sensitive materials.

- For administrative matters: NTIA has removed sensitive PII (e.g., SSN) from the forms and processes for travel, transit subsidy program, acquisition, etc.
- IN, GPD, and work-related data (WRD) for human resource management related purposes such as, hiring process, personnel management actions, government business travel, background check/security clearance, visit requests, access requests to the FFO field site, etc.

- System administration/audit data information: Admin or service account ID of employees or contractors and system log or audit data is used to support system access and network/system administration purposes.

5.2 Describe any potential threats to privacy, such as insider threat, as a result of the bureau's/operating unit's use of the information, and controls that the bureau/operating unit has put into place to ensure that the information is handled, retained, and disposed appropriately. (For example: mandatory training for system users regarding appropriate handling of information, automatic purging of information in accordance with the retention schedule, etc.)

Potential threats to the privacy of subjects from whom NTIA collects PII could be an insider threat who intentionally leaks PII or a breach of the multiple levels of security controls that would allow a bad-actor to obtain the stored PII.

The NTIS GSS has security controls and procedures in place that provide guidance and restrictions for the collection, storage, sharing, transmitting, faxing, printing, destruction of PII, and the reporting of security incidents involving PII.

Handling PII is restricted to NTIA Division Chiefs, administrative personnel, and any other staff who are responsible for using it as part of official NTIA business and mission processes.

Privacy Training – During 2018-2019, NTIA has identified PII handling staff members and trained on PII protection (NTIA prepared training materials). NTIA managers with security roles have competed Privacy Act Training from OPOG. All ITD members are trained on Privacy multiple times at the ITD Monthly Power meetings.

Sensitive PII must be stored in a specific file share which has restricted access and security measures in place.

Section 6: Information Sharing and Access

6.1 Indicate with whom the bureau intends to share the PII/BII in the IT system and how the PII/BII will be shared. (*Check all that apply.*)

Daginiant	Н	How Information will be Shared			
Recipient	Case-by-Case	Bulk Transfer	Direct Access		
Within the bureau	N/A	N/A	Yes		
DOC bureaus	N/A	N/A	N/A		
Federal agencies	N/A	N/A	N/A		
State, local, tribal gov't agencies	N/A	N/A	N/A		
Public	N/A	N/A	N/A		
Private sector	N/A	N/A	N/A		
Foreign governments	N/A	N/A	N/A		
Foreign entities	N/A	N/A	N/A		
Other (specify):	N/A	N/A	N/A		
The PII/BII in the system will not	be shared.				

6.2 Indicate whether the IT system connects with or receives information from any other IT systems authorized to process PII and/or BII.

X	Yes, this IT system connects with or receives information from another IT system(s) authorized to process PII and/or BII. Provide the name of the IT system and describe the technical controls which prevent PII/BII leakage: NTIA does not have a direct connection to other IT systems that contains PII; however, it has a web portal/application access (only who authorized with an account) to OPM HR system, DOC Enterprise Services, National Finance Center, etc. The security control responsibilities are on the system/application owners, and NTIA staff is just viewing and processing PII info, not be able to download.
	No, this IT system does not connect with or receive information from another IT system(s) authorized to process PII and/or BII.

6.3 Identify the class of users who will have access to the IT system and the PII/BII. (Check all that apply.)

Class of Users		
General Public	Government Employees	X
Contractors		
Other (specify):		

Section 7: Notice and Consent

7.1 Indicate whether individuals will be notified if their PII/BII is collected, maintained, or disseminated by the system. *(Check all that apply.)*

x Yes, notice is provided pursuant to a system of records notice published in the Federal Res	Register and
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	discussed in Section 9.		
Yes, notice is provided by a Privacy Act statement and/or privacy policy. The Privacy Act state and/or privacy policy can be found at: All NTIA public websites: http://www.ntia.gov/ http://www2.ntia.gov		statement and/or privacy policy. The Privacy Act statement .	
	Yes, notice is provided by other means.	Specify how:	
	No, notice is not provided.	Specify why not:	

7.2 Indicate whether and how individuals have an opportunity to decline to provide PII/BII.

X	Yes, individuals have an opportunity to decline to provide PII/BII.	Specify how: This is done by the DOC HROC hiring process and the FFO access request process. Individuals may decline to provide PII information on the application or HR hiring documents but if required information is not provided, job application could be declined. On access request forms for the FFO field site, requestors can decline to provide PII information, but if required information is not provided, access to the site could be declined.
	No, individuals do not have an opportunity to decline to provide PII/BII.	Specify why not:

7.3 Indicate whether and how individuals have an opportunity to consent to particular uses of their PII/BII.

X	Yes, individuals have an opportunity to consent to particular uses of their PII/BII.	Specify how: This is done by the DOC HROC hiring process for the sensitive PII, written consent to only particular uses of PII must be submitted to the servicing HR specialist in DOC HROC. For non-sensitive PII, individuals are given an explanation as to why the required information is needed on the system access request form and in the instructions. They consent by signing the form. Declining may affect eligibilities or services. Consent is received from individuals for the use of photographs through Form I-9, Employment Eligibility Verification, as required by the Immigration Reform and Control Act of 1986.
	No, individuals do not have an opportunity to consent to particular uses of their PII/BII.	Specify why not:

7.4 Indicate whether and how individuals have an opportunity to review/update PII/BII pertaining to them.

X	Yes, individuals have an opportunity to review/update PII/BII pertaining to them.	Specify how: For the PII data collected by DOC HROC, PII is routinely updated as an employee's position changes by the servicing HR specialist in DOC HROC. Employees may request to review their information from and ask that it be
		updated through their supervisors. Updates are made by the

	servicing HR specialist or HR Connect manager.
No, individuals do not have an	Specify why not:
opportunity to review/update PII/BII	
pertaining to them.	

Section 8: Administrative and Technological Controls

8.1 Indicate the administrative and technological controls for the system. (Check all that apply.)

X	All users signed a confidentiality agreement or non-disclosure agreement.
X	All users are subject to a Code of Conduct that includes the requirement for confidentiality.
X	Staff (employees and contractors) received training on privacy and confidentiality policies and practices.
X	Access to the PII/BII is restricted to authorized personnel only.
X	Access to the PII/BII is being monitored, tracked, or recorded. Explanation: Access is restricted only for employees with a "need to know" and can be tracked
	Explanation: Access is restricted only for employees with a "need to know" and can be tracked
	and recorded by system logs. DLP monitors the PII/BII misuse.
	The information is secured in accordance with the Federal Information Security Modernization Act
x	(FISMA) requirements.
	Provide date of most recent Assessment and Authorization (A&A): _29 August 2019
	☐ This is a new system. The A&A date will be provided when the A&A package is approved.
X	The Federal Information Processing Standard (FIPS) 199 security impact category for this system is a
	moderate or higher.
X	NIST Special Publication (SP) 800-122 and NIST SP 800-53 Revision 4 Appendix J recommended
	security controls for protecting PII/BII are in place and functioning as intended; or have an approved Plan
	of Action and Milestones (POA&M).
X	A security assessment report has been reviewed for the information system and it has been determined
	that there are no additional privacy risks.
X	Contractors that have access to the system are subject to information security provisions in their contracts
	required by DOC policy.
X	Contracts with customers establish DOC ownership rights over data including PII/BII.
X	Acceptance of liability for exposure of PII/BII is clearly defined in agreements with customers.
	Other (specify):

- 8.2 Provide a general description of the technologies used to protect PII/BII on the IT system. (*Include data encryption in transit and/or at rest, if applicable*).
 - Access Control: access provisioning, access/privileged accounts monitoring
 - Security baseline configuration
 - Vulnerability and Baseline scans
 - $\hbox{-} Anti-Virus, Anti-spyware/malware/spam}\\$
 - Encryption on mobile devices and USB drives
 - Secure file sharing
 - Monitor and block PII data in transit or at rest by Data Loss Prevention.
 - Malicious attack identification and analysis
 - Block and filter network traffic and malicious websites
 - Phishing/Spear-Phishing attack training
 - The NTIA GSS uses Personal Identity Verification (PIV) card for system access authentication, but does not collect or maintain the biometric data in the system

Section 9: Privacy Act

- 9.1 Is the PII/BII searchable by a personal identifier (e.g., name or Social Security number)?
 - x Yes, the PII/BII is searchable by a personal identifier.
 - No, the PII/BII is not searchable by a personal identifier.
- 9.2 Indicate whether a system of records is being created under the Privacy Act, 5 U.S.C. § 552a. (A new system of records notice (SORN) is required if the system is not covered by an existing SORN).

As per the Privacy Act of 1974, "the term 'system of records' means a group of any records under the control of any agency from which information is retrieved by the name of the individual or by some identifying number, symbol, or other identifying particular assigned to the individual."

X	Yes, this system is covered by an existing System of Records Notice (SORN).
	Provide the SORN name, number, and link. (list all that apply):
	COMMERCE/DEPT-1, Attendance, Leave, Payroll records.
	COMMERCE/DEPT-5, FOIA requests.
	COMMERCE/DEPT-9, Travel records.
	COMMERCE/DEPT-10, Executive Correspondence Files.
	COMMERCE/DEPT-18, Employees Personnel Files Not Covered by Noticed of Other Agencies.
	OPM/GOVT-1 General Personnel Records.
	OPM/GOVT-2 Employee Performance File System Records.
	OPM/GOVT-3 Records of Adverse Actions, Performance Based Reduction in Grade and Removal
	Actions, and Termination of Probationers.
	OPM/GOVT-5 Recruiting, Examining and Placement Records.
	OPM/GOVT-6 Personnel Research and Test Validation Records.
	OPM/GOVT-7 Applicant Race, Sex, National Origin, and Disability Status Records.
	OPM/GOVT-9 File on Position Classification Appeals, Job Grading Appeals, Retained Grade or Pay
	Appeals, and Fair Labor Standard Act (FLSA) Claims and Complaints.
	Yes, a SORN has been submitted to the Department for approval on (date).
	No, this system is not a system of records and a SORN is not applicable.

Section 10: Retention of Information

10.1 Indicate whether these records are covered by an approved records control schedule and monitored for compliance. (Check all that apply.)

X	There is an approved record control schedule.
	Provide the name of the record control schedule: NTIA follows NARA Records Schedules updated in
	June 2020 at: https://www.archives.gov/files/about/records-schedule/nara-records-
	schedule-list.pdf and specific General Records Schedule (GRS) at:
	https://www.archives.gov/records-mgmt/grs.html
	No, there is not an approved record control schedule.
	Provide the stage in which the project is in developing and submitting a records control schedule:
X	Yes, retention is monitored for compliance to the schedule.

	No, retention is not monitored for compliance to the schedule. Provide explanation:

10.2 Indicate the disposal method of the PII/BII. (Check all that apply.)

Disposal			
Shredding	X	Overwriting	X
Degaussing	X	Deleting	X
Other (specify):			

Section 11: NIST Special Publication 800-122 PII Confidentiality Impact Level

11.1 Indicate the potential impact that could result to the subject individuals and/or the organization if PII were inappropriately accessed, used, or disclosed. (The PII Confidentiality Impact Level is not the same, and does not have to be the same, as the Federal Information Processing Standards (FIPS) 199 security impact category.)

	Low – the loss of confidentiality, integrity, or availability could be expected to have a limited adverse effect on organizational operations, organizational assets, or individuals.	
X	Moderate – the loss of confidentiality, integrity, or availability could be expected to have a serious	
	adverse effect on organizational operations, organizational assets, or individuals.	
	High – the loss of confidentiality, integrity, or availability could be expected to have a severe or	
	catastrophic adverse effect on organizational operations, organizational assets, or individuals.	

11.2 Indicate which factors were used to determine the above PII confidentiality impact levels. (Check all that apply.)

X	Identifiability	Provide explanation: Documentation contains unique identifiers such as SSNs that could directly identify individuals.
х	Quantity of PII	Provide explanation: The number of affected records is sufficiently low to reduce risk.
	Data Field Sensitivity	Provide explanation:
Х	Context of Use	Provide explanation: PII collected is for human resources and personnel administration use only and is stored in access controlled central locations.
	Obligation to Protect Confidentiality	Provide explanation:
Х	Access to and Location of PII	Provide explanation: Documentation containing sensitive PII is stored in centralized access-controlled locations and is limited to only personnel with a need to know.
	Other:	Provide explanation:

Section 12: Analysis

12.1 Identify and evaluate any potential threats to privacy that exist in light of the information collected or the sources from which the information is collected. Also, describe the choices that the bureau/operating unit made with regard to the type or quantity of information collected and the sources providing the information in order to prevent or mitigate threats to privacy. (For example: If a decision was made to collect less data, include a discussion of this decision; if it is necessary to obtain information from sources other than the individual, explain why.)

NTIA does not collect or maintain sensitive PII data directly but stores PII that is pulled out from other bureaus system/sources – e.g., NFC, Security Manager, DOC HR for Personnel management and Administration purposes. NTIA HR restricts the access to the PII file/folder to only 'need to know' staff, and the files are under the capability of encryption of DAR (Data at Rest). During last several years NTIA has eliminated collecting SSN for Transit Subsidy and removed/marked as 'Leave Blank' the PII fields on Travel request and Training request forms. NTIA has trained staff members who have OSY Security Manager (PII) access and managers handles personnel info. NTIA has implemented Data Loss Prevention (DLP) tool but was in a monitoring mode – currently we are working on full PII scan capability to scan PII within the network/systems.

12.2 Indicate whether the conduct of this PIA results in any required business process changes.

	Yes, the conduct of this PIA results in required business process changes. Explanation:
X	No, the conduct of this PIA does not result in any required business process changes.

12.3 Indicate whether the conduct of this PIA results in any required technology changes.

	Yes, the conduct of this PIA results in required technology changes.	
	Explanation:	
X	No, the conduct of this PIA does not result in any required technology changes.	